2009 APPENDIX B BUILDING CODE SUMMARY FOR ALL COMMERCIAL PROJECTS

(EXCEPT 1 AND 2-FAMILY DWELLINGS AND TOWNHOUSES)

(Reproduce the following data on the building plans sheet 1 or 2)

NI CD :					
Name of Project:					
Address:				Zip Co	de
Proposed Use:					
	gent:				
	•		·		
Owned By:		//County	Private	☐ Sta	
Code Enforcement Ju	urisdiction: City	/	County		ite
LEAD DESIGN PR	OFESSIONAL:				
DESIGNER FIR		NAME	LICENSE #	TELEPHONE #	E-MAIL
Architectural	AIVI	NAME	LICENSE #	()	E-MAIL
Civil				()	
Electrical				()	
Fire Alarm				(
D1 1:				()	
Mechanical				()	
				()	
Structural				()	
	High			()	
Other				()	
			_		
	NC CODE FOR: Alte	ration Rep	air	_ •	ENT USE
EXISTING: Rec CONSTRUCTED BUILDING DATA	construction Alte	ration Rep	air	_ •	ENT USE
EXISTING: Rec CONSTRUCTED	construction Alte	ration	air _ RENOVATED	CURR	_
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type:	onstruction	ration	air _ RENOVATED _ III-A _ III-B	CURR	□ V-A
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type:	ORIGI	ration Repo	air _ RENOVATED _ III-A _ III-B _ Types	CURR	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mit Sprinklers:	ORIGI I-A I-B Ixed construction: No Partial Ye	Rep. Rep. Rep. Rep.	A 13 NFF	CURR	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mit Sprinklers: Standpipes:	I-A I-B ixed construction: No Partial Ye No Yes Class	Rep.	Air RENOVATED III-A III-B Types PA 13 NFF III Wet	CURR IV PA 13R NF	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi Sprinklers: Standpipes: St	I-A I-B I-B INO Partial Yes No Yes Class	ration Repo	Area: No	CURR	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi: Sprinklers: Standpipes: Standpipes: Building Height: Fe	I-A I-B Ixed construction: No Partial Ye No Yes No Yes No Yes No N	ration Repo	Area: No	CURR IV PA 13R NF	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi: Sprinklers: Standpipes: Standpipes: Building Height: Fe	I-A I-B I-B INO Partial Ye NO Yes Class NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi Sprinklers: Standpipes: Building Height: Fe Mezzanine:	I-A I-B I-B INO Partial Ye NO Yes Class NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi: Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR 6th Floor	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi: Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi: Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR 6th Floor	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mi: Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR 6th Floor 5th Floor	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mit Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mit Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor 2nd Floor	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D
EXISTING: Rec CONSTRUCTED BUILDING DATA Construction Type: Mit Sprinklers: Standpipes: Building Height: Fe Mezzanine: Gross Building Area FLOOR 6th Floor 5th Floor 4th Floor 3rd Floor	I-A I-B I-B INO Partial Yes NO Yes Class NO Yes NO Yes NO Yes A NO Yes NO Yes NO Yes NO Yes NO Yes	ration Repo	Area: No	CURR IV PA 13R NF. Dry Yes	□ V-A □ V-B PA 13D

TOTAL

Primary Occupancy: Assembly A-1 A-2 A-3 A-4 A-5 Business Educational Factory F-1 Moderate F-2 Low Hazardous H-1 Detonate H-2 Deflagrate H-3 Combust H-4 Health H-5 HPM Institutional I-1 I-2 I-3 I-4 I-3 Condition I					
Secondary Occupancy:					
Special Uses: 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 Special Provisions: 509.2 509.3 509.4 509.5 509.5 509.6 509.7 509.8					
Mixed Occupancy: No Yes Separation: Hr. Exception:					
☐ Incidental Use Separation (508.2)					
This separation is not exempt as a Non-Separated Use (see exceptions).					
 Non-Separated Use (508.3.2) The required type of construction for the building shall be determined by applying the height and area limitations for each of the applicable occupancies to the entire building. The most restrictive type of construction, so determined, shall apply to the entire building. Separated Use (508.3.3) - See below for area calculations For each story, the area of the occupancy shall be such that the sum of the ratios of the actual floor area of each use divided by the allowable floor area for each use shall not exceed 1. Actual Area of Occupancy A Allowable Area of Occupancy B Allowable Area of Occupancy B					
Allowable Area of Occupancy A Allowable Area of Occupancy B $ = 100 $					
Allowable Area of Occupancy A Allowable Area of Occupancy B $+ $					
Allowable Area of Occupancy A Allowable Area of Occupancy B $+ + + + + + + + + + + + + + + + + + $					
Allowable Area of Occupancy A Allowable Area of Occupancy B $+ $					
Allowable Area of Occupancy A Allowable Area of Occupancy B $+ $					

ALLOWABLE HEIGHT

	ALLOWABLE (TABLE 503)	INCREASE FOR SPRINKLERS	SHOWN ON PLANS	CODE REFERENCE
Type of Construction	Туре		Type	
Building Height in Feet	Feet	Feet = H + 20' =		
Building Height in Stories	Stories	Stories + 1 =	Stories	

FIRE PROTECTION REQUIREMENTS

Life Safety Plan Sheet #, if Provided _____

BUILDING ELEMENT	FIRE SEPARATION DISTANCE (FEET)	REQ'D	PROVIDED (W/* REDUCTION)	DETAIL# AND SHEET#	DESIGN # FOR RATED ASSEMBLY	DESIGN # FOR RATED PENETRATION	DESIGN # FOR RATED JOINTS
Structural Frame, including columns, girders, trusses							
Bearing Walls							
Exterior							
North							
East							
West							
South							
Interior							
Nonbearing Walls and Partitions Exterior walls							
North							
East							
West							
South							
Interior walls and partitions							
Floor Construction Including supporting beams and joists							
Roof Construction Including supporting beams and joists							
Shaft Enclosures - Exit							
Shaft Enclosures - Other							
Corridor Separation							
Occupancy Separation							
Party/Fire Wall Separation							
Smoke Barrier Separation							
Tenant Separation							
Incidental Use Separation							

^{*} Indicate section number permitting reduction

LIFE SAFETY SYSTEM REQUIREMENTS

Emergency Lighting:	☐ No ☐ Yes
Exit Signs:	☐ No ☐ Yes
Fire Alarm:	☐ No ☐ Yes
Smoke Detection Systems:	☐ No ☐ Yes ☐ Partial
Panic Hardware:	☐ No ☐ Yes

EXIT REQUIREMENTS

NUMBER AND ARRANGEMENT OF EXITS

FLOOR, ROOM OR SPACE DESIGNATION	MINIMUM ² NUMBER OF EXITS		TRAVEL DISTANCE		ARRANGEMENT MEANS OF EGRESS ^{1,3} (SECTION 1015.2)	
	REQUIRED SHOWN ON PLANS		ALLOWABLE TRAVEL DISTANCE (TABLE 1015.1) DISTANCE SHOWN ON PLANS		REQUIRED DISTANCE BETWEEN EXIT DOORS	ACTUAL DISTANCE SHOWN ON PLANS

EXIT WIDTH

USE GROUP OR SPACE	(a)	(b)		((c)		EXIT WIDTH	I (in) ^{2,3,4,5,6}	
DESCRIPTION	sq. ft.	AREA ¹ PER OCCUPANT	CALCULATED OCCUPANT LOAD	PER OC	S WIDTH CUPANT 1005.1)	(SECTION	ED WIDTH 1 1005.1) 1) x c	ACTUAL V SHOWN O	
		(TABLE 1004.1.1)	(a÷b)	STAIR	LEVEL	STAIR	LEVEL	STAIR	LEVEL

See Table 1004.1.1 to determine whether net or gross area is applicable.

Corridor dead ends (Section 1017.3)

Buildings with single exits (Table 1019.2), Spaces with one means of egress (Table 1015.1)

Common Path of Travel (Section 1014.3)

See definition "Area, Gross" and "Area, Net" (Section 1002)

Minimum stairway width (Section 1009.1); min. corridor width (Section 1017.2); min. door width (Section 1008.1)

³ Minimum width of exit passageway (Section 1021.2)

⁴ See Section 1004.5 for converging exits.

The loss of one means of egress shall not reduce the available capacity to less than 50 percent of the total required (Section 1005.1)

⁶ Assembly occupancies (Section 1025)

STRUCTURAL DESIGN

DESIGN LOADS: Importance Factors: Wind $(I_{\rm W})$ Snow (I_S) Seismic (I_E) **Live Loads:** Roof _____ psf Mezzanine Floor _____ psf **Ground Snow Load:** _____ psf Wind Load: Basic Wind Speed _____ mph (ASCE-7) Exposure Category Wind Base Shears (for MWFRS) $Vx = \underline{\hspace{1cm}} Vy = \underline{\hspace{1cm}}$ $\square A \square B \square C$ SEISMIC DESIGN CATEGORY Provide the following Seismic Design Parameters: Field Test Presumptive Historical Data Site Classification _____ Basic structural system (check one) _____ Dual w/Special Moment Frame _____ Dual w/Intermediate R/C or Special Steel _____ Bearing Wall _____ Building Frame ____ Moment Frame _____ Inverted Pendulum Seismic base shear $V_X =$ $V_Y =$ $V_Y =$ Equivalent Lateral Force $V_X =$ Modal Architectural, Mechanical, Components anchored? _____ LATERAL DESIGN CONTROL: Earthquake _____ Wind ___ **SOIL BEARING CAPACITIES:** Field Test (provide copy of test report) _____ psf Presumptive Bearing capacity _____ psf Pile size, type, and capacity PLUMBING FIXTURE REQUIREMENTS USE WATERCLOSETS URINALS LAVATORIES SHOWERS/ DRINKING FOUNTAINS MALE FEMALE MALE FEMALE TUBS REGULAR Accessible EXISTING SPACE NEW REQUIRED

ACCESSIBLE PARKING

LOT OR PARKING	TOTAL# OF PA	RKING SPACES	# OF ACCESSIBLE	TOTAL#	
AREA	REQUIRED PROVIDED		REGULAR WITH 5'	VAN SPACES WITH 8'	ACCESSIBLE
			ACCESS AISLE	ACCESS AISLE	PROVIDED
TOTAL					

SPECIAL APPROVALS				
Special approval: (Local Jurisdiction, Department of Insurance, OSC, DPI, DHHS, ICC, etc., describe below)				
ENERGY SUMMARY				
ENERGY REQUIREMENTS:				
The following data shall be considered minimum and any special attribute required to meet the energy code shall				
also be provided. Each Designer shall furnish the required portions of the project information for the plan data sheet				

ENERGI BUMMIKI
ENERGY REQUIREMENTS:
The following data shall be considered minimum and any special attribute required to meet the energy codalso be provided. Each Designer shall furnish the required portions of the project information for the plan. If energy cost budget method, state the annual energy cost budget vs allowable annual energy cost budget.
THERMAL ENVELOPE
Method of Compliance:
Prescriptive% Glazed Wall Area
Performance Energy Cost Budget
Roof/ceiling Assembly (each assembly)
Description of assembly
U-Value of total assembly
R-Value of insulation
Skylights in each assembly
U-Value of skylight
total square footage of skylights in each assembly
Exterior Walls (each assembly)
Description of assembly
U-Value of total assembly
R-Value of insulation
Openings (windows or doors with glazing)
U-Value of assembly
shading coefficient
projection factor
low e required, if applicable
Door R-Values

Walls adjacent to unconditioned space (each assembly)

Description of assembly
U-Value of total assembly
R-Value of insulation
Openings (windows or doors with glazing)
U-Value of assembly
Low e required, if applicable
Door R-Values

Walls below grade (each assembly)

Description of assembly U-Value of total assembly R-Value of insulation

Floors over unconditioned space (each assembly)

Description of assembly U-Value of total assembly R-Value of insulation

Floors slab on grade

Description of assembly U-Value of total assembly R-Value of insulation Horizontal/vertical requirement slab heated

ELECTRICAL SUMMARY

. ت	TRICAL SYSTEM AND	EQUIPMENT			
	Method of Compliance	::			
	☐ Prescriptive	Performance	☐ Energy Cost Budget		
	Lighting schedule				
	lamp type requ	ired in fixture			
	number of lam				
	-	ed in the fixture			
	number of balla	asts in fixture			
	total wattage pe	er fixture			
	total interior wattage specified vs allowed				
	total exterior w	attage specified vs allo	wed		
	Equipment schedules v	vith motors (not used f	or mechanical systems)		
	motor horsepov	wer			
	number of phas	ses			
	minimum effic	iency			
	motor type				
	# of poles				

MECHANICAL SUMMARY

MECHANICAL SYSTEMS, SERVICE SYSTEMS AND EQUIPMENT

Method of Compliance Prescriptive	☐ Energy Cost Budget
Climate Zone	
Thermal Zone	
winter dry bulb summer dry bulb	
Interior design condition	ıs
winter dry bulb	

summer dry bulb relative humidity

Building heating load

Building cooling load

Mechanical Spacing Conditioning System

```
Unitary
description of unit
heating efficiency
cooling efficiency
heat output of unit
cooling output of unit
Boiler
total boiler output. If oversized, state reason.
Chiller
total chiller capacity. If oversized, state reason.
```

List equipment efficiencies

Equipment schedules with motors (mechanical systems)

motor horsepower number of phases minimum efficiency motor type # of poles